Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/09/2020 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125484	0	2.50	125522	2.47
Blue	F	SSC	125000	124170	-1	2.39	124887	2.44
Blue	E	FITC	15892	15391	-4	3.08	335	20.91
Blue	D	PE	29999	29131	-3	2.26	635	15.39
Blue	B	PerCP-Cy5-5	43732	43206	-2	3.95	1156	21.49
Blue	A	PE-Cy7	30845	30861	0	6.31	589	42.93
Red	C	APC	46112	44817	-3	2.62	1583	12.18
Red	A	APC-Cy7	30458	29793	-3	2.47	786	12.26
Violet	B	V450	7918	7614	-4	3.86	429	12.69
Violet	A	V500	32171	31518	-3	3.63	735	10.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17565	11.72	635	14	N/A	N/A	Pass
Blue	F	SSC	56688	1.77	574	15	N/A	N/A	Pass
Blue	E	FITC	60	67.07	550	7	0.0183	130	Pass
Blue	D	PE	133	51.01	556	8	0.1441	246	Pass
Blue	B	PerCP-Cy5-5	213	52.74	664	8	0.0081	63	Pass
Blue	A	PE-Cy7	107	108.72	708	10	0.0099	20	Pass
Red	C	APC	377	25.10	588	4	0.0241	119	Pass
Red	A	APC-Cy7	172	29.45	561	5	0.0053	932	Pass
Violet	B	V450	65	56.69	464	6	0.0515	1776	Pass
Violet	A	V500	110	33.81	480	6	0.0231	811	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-32.15	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	15.74	13.60 - 20.40	N/A	N/A	29.70	30.08	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9741

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments